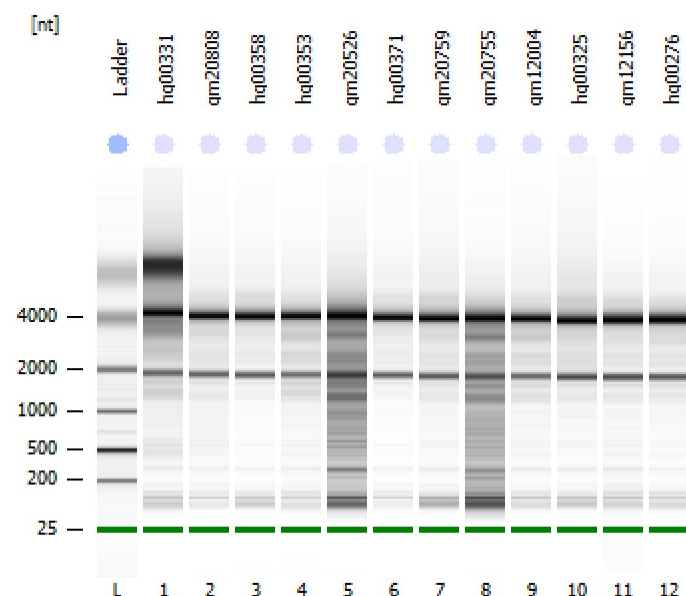


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_09-04-53.xad

Created: 10/13/2011 9:04:53 AM
Modified: 10/13/2011 9:28:00 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537

Firmware: C.01.069

Serial#: DE04105537

Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

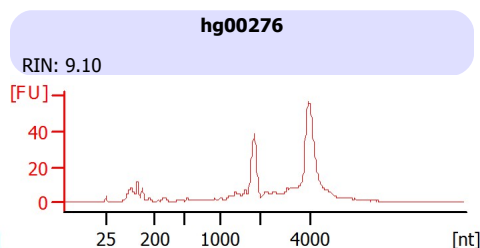
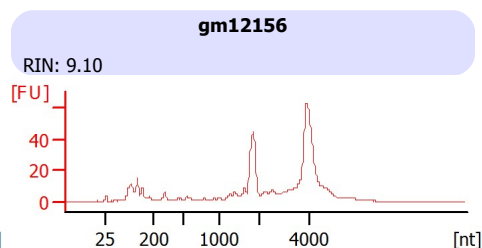
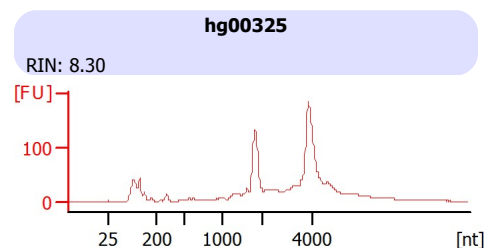
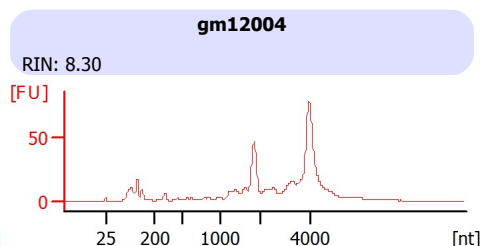
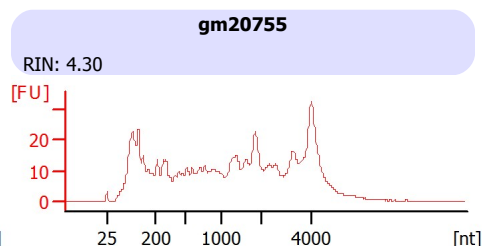
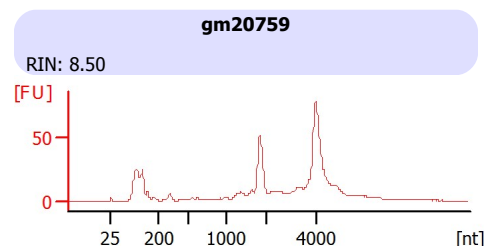
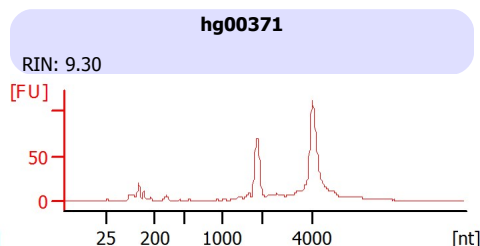
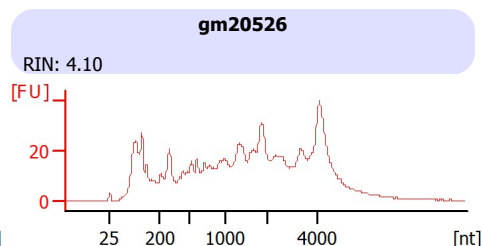
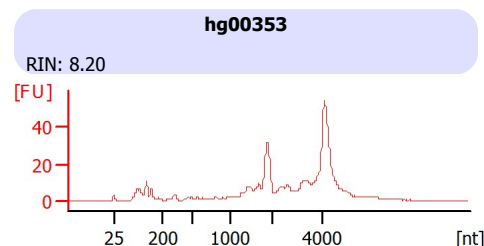
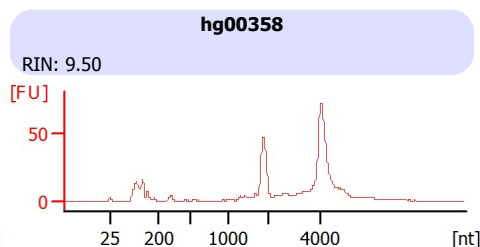
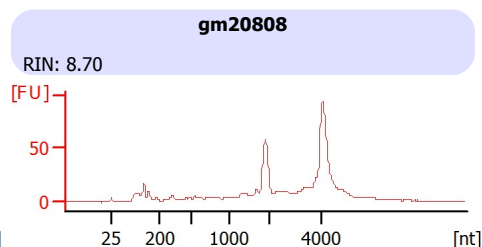
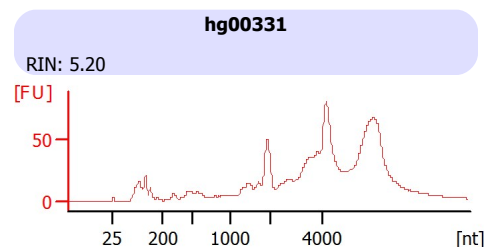
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_09-04-53.xad

Created: 10/13/2011 9:04:53 AM
Modified: 10/13/2011 9:28:00 AM

Electrophoresis File Run Summary (Chip Summary)

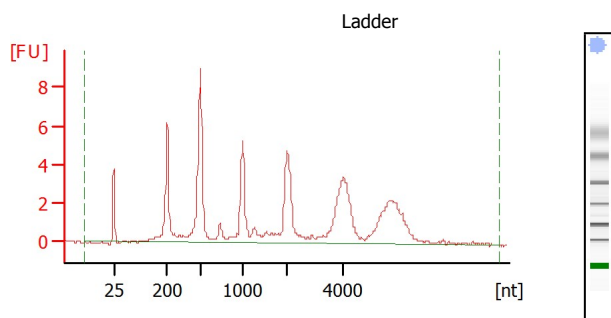
Sample Name	Sample Comment	Status	Result Label	Result Color
hg00331		✓	RIN: 5.20	
gm20808		✓	RIN: 8.70	
hg00358		✓	RIN: 9.50	
hg00353		✓	RIN: 8.20	
gm20526		✓	RIN: 4.10	
hg00371		✓	RIN: 9.30	
gm20759		✓	RIN: 8.50	
gm20755		✓	RIN: 4.30	
gm12004		✓	RIN: 8.30	
hg00325		✓	RIN: 8.30	
gm12156		✓	RIN: 9.10	
hg00276		✓	RIN: 9.10	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_09-04-53.xad

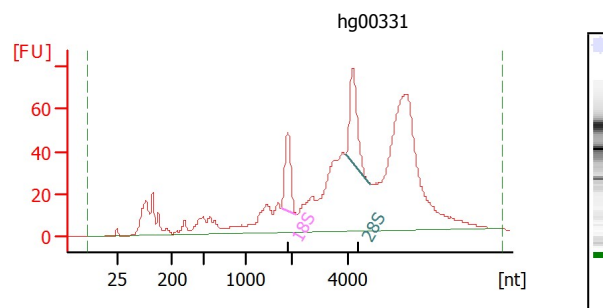
Created: 10/13/2011 9:04:53 AM
 Modified: 10/13/2011 9:28:00 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 91.0
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

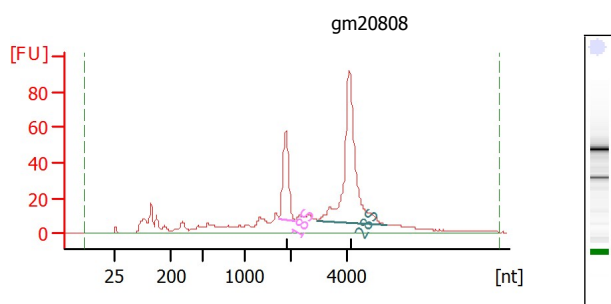


Overall Results for sample 1 : hg00331

RNA Area: 1,463.2
 RNA Concentration: 2,413 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 5.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.20

Fragment table for sample 1 : hg00331

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,775	2,178	69.2	4.7
28S	3,938	4,795	87.2	6.0

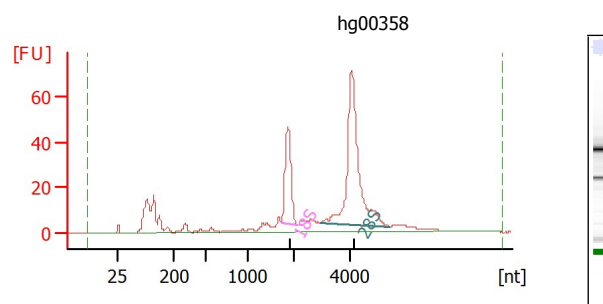


Overall Results for sample 2 : gm20808

RNA Area: 785.8
 RNA Concentration: 1,296 ng/μl
 rRNA Ratio [28s / 18s]: 2.8
 RNA Integrity Number (RIN): 8.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.70

Fragment table for sample 2 : gm20808

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	2,182	90.4	11.5
28S	2,960	5,398	256.5	32.6



Overall Results for sample 3 : hg00358

RNA Area: 554.6
 RNA Concentration: 915 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

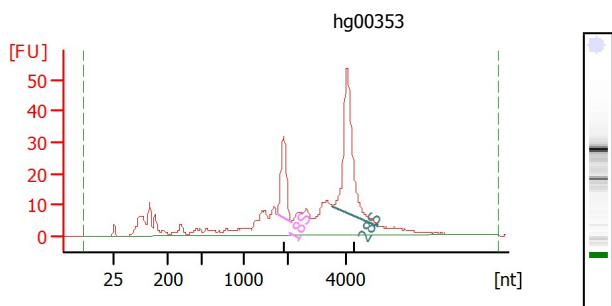
Fragment table for sample 3 : hg00358

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	2,167	80.6	14.5
28S	2,960	5,384	204.1	36.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_09-04-53.xad

Created: 10/13/2011 9:04:53 AM
 Modified: 10/13/2011 9:28:00 AM

Electropherogram Summary Continued ...

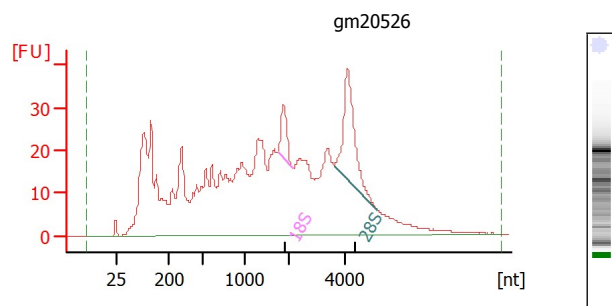


Overall Results for sample 4 : hg00353

RNA Area: 503.5
 RNA Concentration: 830 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 8.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20

Fragment table for sample 4 : hg00353

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,092	45.2	9.0
28S	3,549	5,154	111.9	22.2

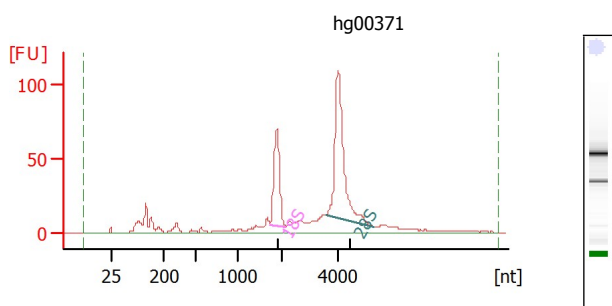


Overall Results for sample 5 : gm20526

RNA Area: 1,222.9
 RNA Concentration: 2,017 ng/μl
 rRNA Ratio [28s / 18s]: 3.3
 RNA Integrity Number (RIN): 4.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.10

Fragment table for sample 5 : gm20526

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,754	2,118	23.3	1.9
28S	3,585	5,125	77.9	6.4

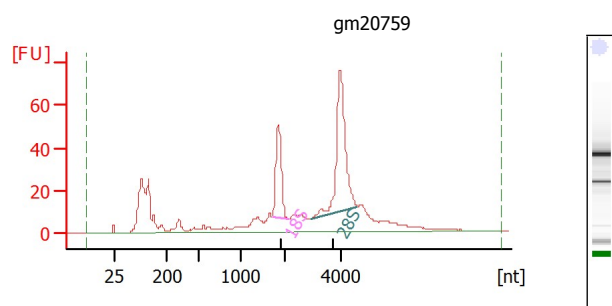


Overall Results for sample 6 : hg00371

RNA Area: 758.2
 RNA Concentration: 1,250 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 6 : hg00371

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,728	2,142	118.6	15.6
28S	3,579	5,272	242.7	32.0



Overall Results for sample 7 : gm20759

RNA Area: 750.9
 RNA Concentration: 1,238 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 8.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

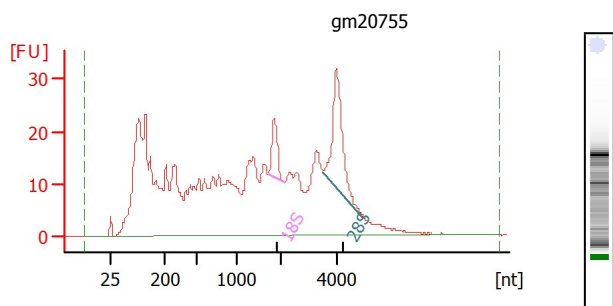
Fragment table for sample 7 : gm20759

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	2,112	79.4	10.6
28S	2,891	4,568	162.3	21.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_09-04-53.xad

Created: 10/13/2011 9:04:53 AM
 Modified: 10/13/2011 9:28:00 AM

Electropherogram Summary Continued ...

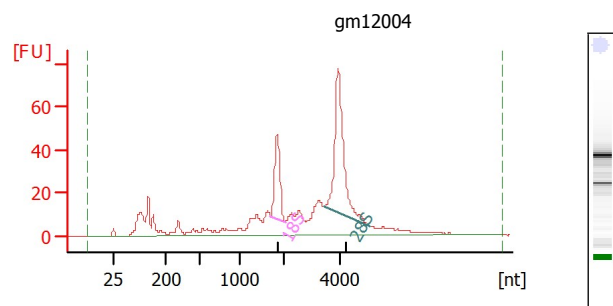


Overall Results for sample 8 : gm20755

RNA Area: 943.1
 RNA Concentration: 1,555 ng/μl
 rRNA Ratio [28s / 18s]: 3.0
 RNA Integrity Number (RIN): 4.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.30

Fragment table for sample 8 : gm20755

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,094	20.4	2.2
28S	3,478	4,952	61.5	6.5

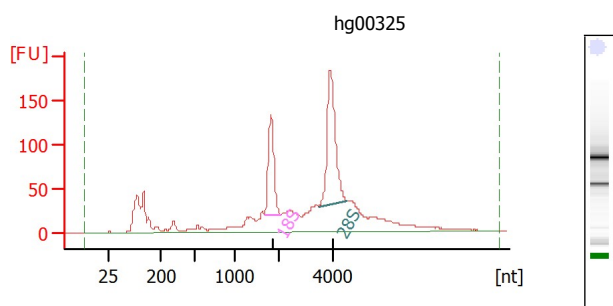


Overall Results for sample 9 : gm12004

RNA Area: 729.0
 RNA Concentration: 1,202 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

Fragment table for sample 9 : gm12004

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,704	2,047	68.4	9.4
28S	3,450	5,123	165.0	22.6

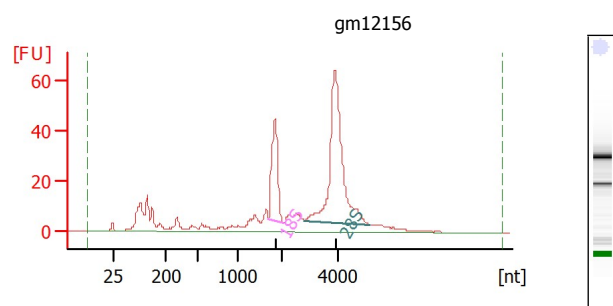


Overall Results for sample 10 : hg00325

RNA Area: 1,897.6
 RNA Concentration: 3,129 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 8.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

Fragment table for sample 10 : hg00325

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	2,089	211.0	11.1
28S	3,440	4,502	350.5	18.5



Overall Results for sample 11 : gm12156

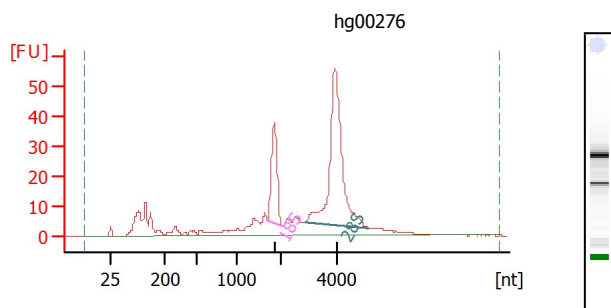
RNA Area: 607.5
 RNA Concentration: 1,002 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): 9.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

Fragment table for sample 11 : gm12156

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	2,060	79.9	13.1
28S	2,817	5,195	207.9	34.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_09-04-53.xad

Created: 10/13/2011 9:04:53 AM
Modified: 10/13/2011 9:28:00 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : hg00276**

RNA Area: 505.0
RNA Concentration: 833 ng/μl
rRNA Ratio [28s / 18s]: 2.9
RNA Integrity Number (RIN): 9.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.10

Fragment table for sample 12 : hg00276

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	2,034	62.9	12.5
28S	2,831	5,163	179.8	35.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_09-04-53.xad

Created: 10/13/2011 9:04:53 AM
Modified: 10/13/2011 9:28:00 AM

Gel Image